

ABSTRACT

An integrated signal isolator is provided to isolate first and second circuits. First, second, third, and fourth magnetoresistors of the isolator are coupled together so as to form a Wheatstone bridge. The first
5 second, third, and fourth magnetoresistors are arranged so that the Wheatstone bridge is immune to uniform external magnetic fields having any direction. An input strap generates magnetic fields across the first, second, third and fourth magnetoresistors in response to a signal from the
10 first circuit so that the Wheatstone bridge provides an output to the second circuit that is commensurate with the signal from the first circuit.